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Attorney Docket No.: YOR920010661US1

03/07/02  
 JC984 U.S. PTO

11002 U.S. PTO  
 03/07/02

IN THE UNITED STATES  
 PATENT AND TRADEMARK OFFICE

**PATENT APPLICATION**

**APPLICANT(S):** Arun Kwangil Iyengar  
 Isabelle M. Rouvellou

"Express Mail" Label No. EL793517540US I hereby  
 certify that this paper or fee is being deposited with the United  
 States Postal Service "Express Mail Post Office to Addressee"  
 service under 37 CFR 1.10 on the date indicated below and is  
 addressed to: Assistant Commissioner for Patents, Washington,  
 D.C. 20231.

**ASSIGNEE  
 NAME:** International Business  
 Machines Corporation

Date of Deposit: March 7, 2002

Signature: Denise A. Glaser

**ASSIGNEE  
 RESIDENCE:** Armonk, New York

**TITLE:** Methods and Systems for Distributed Caching in Presence  
 of Updates and in Accordance with Holding Times

**ASSISTANT COMMISSIONER FOR PATENTS  
 WASHINGTON, D.C. 20231**

**SIR:**

Enclosed are the following papers relating to the above-named application for patent:

Application - 14 pages of Specification, 6 pages of Claims and 1 page of Abstract  
 6 Sheets of informal drawing(s)

✓ Declaration and Power of Attorney

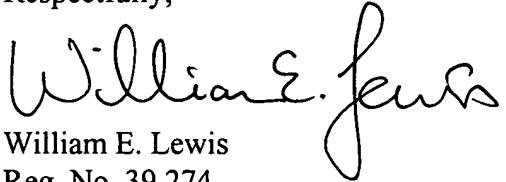
✓ Assignment and Recordation Form Cover Sheet

| CLAIMS AS FILED                               |           |           |            |              |
|---|-----------|-----------|------------|--------------|
|   | NO. FILED | NO. EXTRA | RATE       | CALCULATIONS |
| Total Claims                                  | 28-20 =   | 8         | x \$18 =   | \$144        |
| Independent Claims                            | 6-3 =     | 3         | x \$84 =   | \$252        |
| Multiple Dependent<br>Claim(s), if applicable |           |           | \$280 =    | \$0          |
| Basic Fee                                     |           |           |            | \$740        |
|   |           |           | TOTAL FEE: | \$1136       |

Please file the application and charge **International Business Machines Corporation Deposit Account No. 50-0510** the amount of \$1136, to cover the filing fee. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **International Business Machines Corporation Deposit Account No. 50-0510** as required to correct the error. Duplicate copies of this letter are enclosed.

Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 90 Forest Avenue, Locust Valley, New York 11560.** Telephone calls should be made to the under-signed attorney at (516) 759-2946.

Respectfully,



William E. Lewis  
Reg. No. 39,274  
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Date: March 7, 2002

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